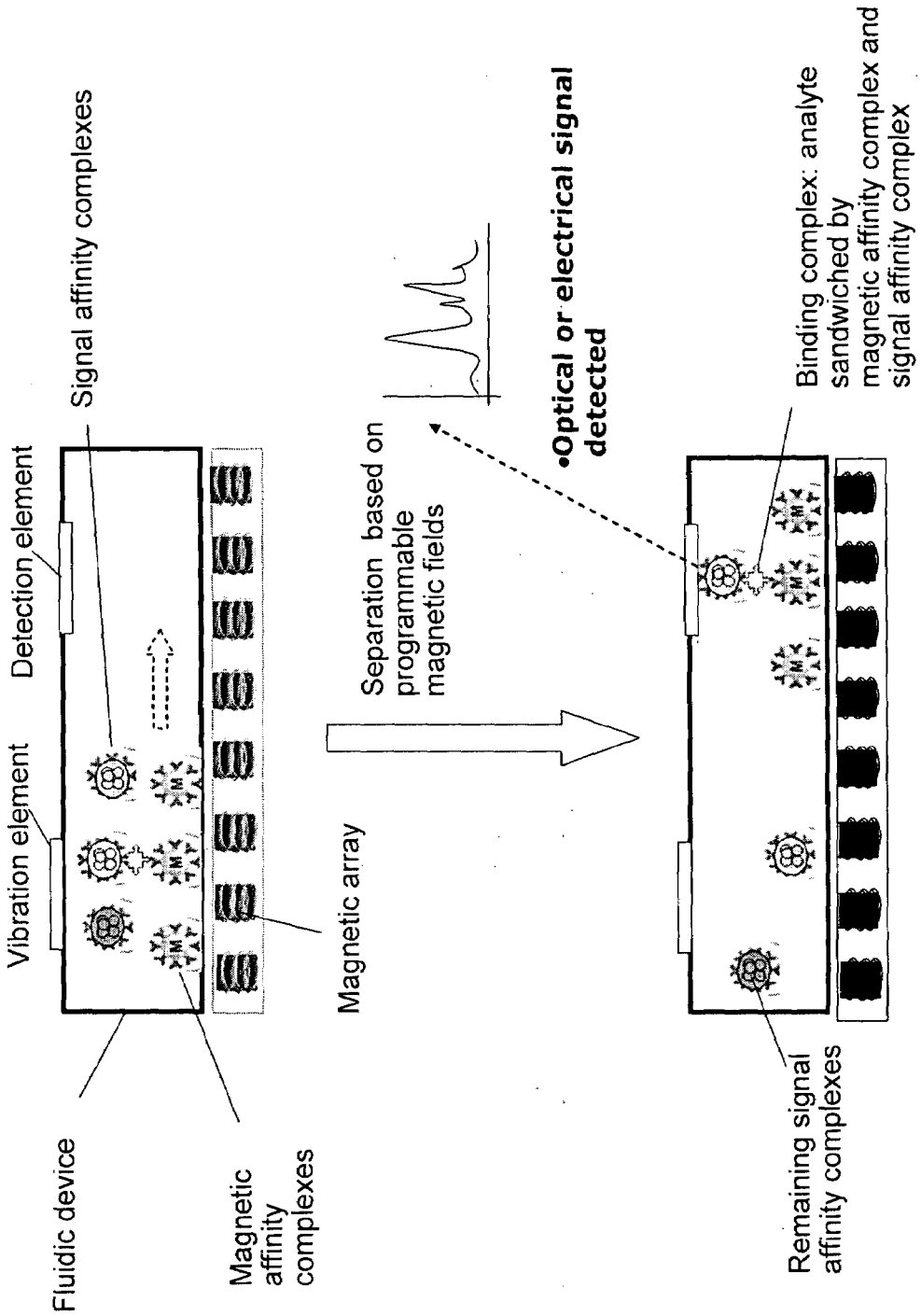
FIG. 5


Signal affinity complexes
Detection element
Vibration element
Fluidic device
Magnetic affinity complexes
Magnetic array
Separation based on programmable magnetic fields
•Optical or electrical signal detected
Binding complex: analyte sandwiched by magnetic affinity complex and signal affinity complex
Remaining signal affinity complexes